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Attachment 2

## Guide Requirements on Rumanian Mapping Organizations

### BACKGROUND

The collection of post-1952 military topographic maps of Bulgaria has been given very high priority within the US intelligence community. Topographic maps are essential for determining the precise location of targets in relation to missile launching sites. In order to support map collection activities, detailed information is required on Rumanian mapping organizations, programs, and personnel.

This requirement is submitted as a guide for interrogation of sources having a knowledge of mapping and related activities in Rumania. Likely sources would be astronomers, cartographers, draftsmen, geodesists, geographers, geologists, photogrammetrists, surveyors, and other personnel engaged in the field of surveying and mapping or utilizing topographic maps in their work. Although individual sources probably will not have a detailed knowledge of the complete mapping cycle from the establishment of geodetic control on through photogrammetric or field topographic surveys and map compilation, drafting, reproduction and distribution, each may be expected to have an intimate knowledge of at least one aspect of the cycle.

Rumania is participating in the unified topographic mapping program as set forth at the geodetic conference of the USSR and the European Satellites held in Sofia, Bulgaria, in 1952. Target date for completion of topographic maps at scales of 1:25,000; 1:50,000; 1:100,000; 1:200,000; and 1:500,000 is 1960. The Military Topographic Directorate is the organization responsible for both the establishment of geodetic control and the production of military topographic maps in Rumania. This organization is located in Bucharest and a subsidiary or branch organization has been reported at Orasul Stalin. At least two civilian agencies -- the Geologic Committee, and the Photogrammetric Center -- are engaged in the projection of large-scale (1:5,000 and 1:10,000) topographic maps primarily for civilian planning purposes. As far as can be ascertained, Rumania does not as yet have a central organization responsible for coordinating all civilian mapping and surveying activities comparable to that of other Satellite countries.

### REQUIREMENTS

1. Directoria Topografica Militara--DTM (Military Topographic Directorate)
  - a. Locational data. Confirm location of headquarters complex at 124-126 Blvd. "1 Mai", Bucharest, and pinpoint location of any branch offices and map storage depots elsewhere in Rumania; provide a sketch map of the headquarters complex, general floor plans of buildings, and detailed plans of map storage rooms or buildings.

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b. Security data. Provide a detailed description of security control measures employed for safeguarding topographic maps and trig lists at DTM, at storage depots, and while in shipment. Indicate manner of disposal of waste or damaged maps, and whether members of the char force have access to map storage rooms. Describe any weak points in the security system which might permit removal of maps from the premises without detection.

c. Biographic data. Provide detailed biographic data on personnel with particular attention to key personnel of DTM and on other personnel having access to topographic maps. Include data on political orientation, professional background, physical characteristics, personal habits and weaknesses, opportunities for travel within or outside the Soviet Bloc, and names and addresses of relatives or friends residing outside the Bloc.

d. Mapping and geodetic programs. Indicate progress made to date toward completion of 1st-, 2nd-, 3rd-, and 4th-order triangulation and leveling, and conversion to the Russian datums (Pulkovo horizontal datum, Kronstadt vertical datum and Krasovskiy reference ellipsoid); and progress made toward completion of new military topographic map series at 1:25,000 1:50,000 and 1:100,000 employing the standard Russian map symbolization, format and grid system. Indicate whether the maps are merely revisions of pre-1952 maps, or new compilations based on recent surveys. If the latter, indicate the type of survey--photogrammetric, planetable, or other.

e. Organizational structure. Prepare a table of organization of the DTM and indicate the function, work program, operating procedures, type of equipment, and names and number of personnel of the individual production units, including field units.

2. Users of Topographic Maps. /It is believed that personnel in various civilian mapping and research organizations occasionally use military topographic maps in their work--such as personnel of the Cadastral Survey (Direcția Generală a Organizației Teritoriale și Asanamentelor), Photogrammetric Center, Geologic Committee, Institute of Geology and Geography, and Institute of Forestry Studies and Plans /

Indicate name and location of civilian organizations permitted to borrow or retain files of military topographic maps; indicate how maps are obtained and upon whose authority; identify the organization and building from which the maps are obtained; describe the means by which maps are delivered; describe the security measures employed for controlling and safe-guarding the maps while in transit and while at the borrowing organization; indicate for what purpose the maps are used; and provide biographic data on personnel in the various borrowing organizations who are known to have access to the maps.

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3. Institutul Topografic Geotehnic (Topographic-Geotechnical Institute)

Indicate the subordination, function, organizational structure, and key personnel of this organization which is listed in the 1958 Bucharest telephone directory at a Calca Lipscani 29 address.

4. Mapping Department. Identify the organization located at 26 Blvd. "6 Martie", Bucharest, which has been described as a Mapping Department. Indicate its subordination, function, organizational structure, and key personnel.

5. Comitetul Geodezie-Geofizică. (Committee for Geodesy and Geophysics)

Indicate the location, subordination and function of this organization which has been mentioned in the Romanian press.

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